Performance Data Sheet

AE3440Y-FZ1A

General Information

Model	AE3440Y-FZ1A	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-15	Watts (Capacity)	473	406	338	273
	Watts (Power)	239	261	277	282
	Amps	1.83	1.90	1.96	1.98
	Lb/h	9.66	9.00	8.27	7.57
-10	Watts (Capacity)	602	528	450	373
	Watts (Power)	263	288	310	326
	Amps	1.90	1.97	2.05	2.10
	Lb/h	12.3	11.7	11.0	10.3
-6.7	Watts (Capacity)	700	618	531	444
	Watts (Power)	280	306	333	356
	Amps	1.96	2.03	2.12	2.20
	Lb/h	14.3	13.8	13.1	12.2
-5	Watts (Capacity)	754	668	576	482
	Watts (Power)	288	315	344	371
	Amps	1.99	2.07	2.16	2.25
	Lb/h	15.4	14.9	14.2	13.3
0	Watts (Capacity)	935	832	720	605
	Watts (Power)	313	343	379	416
	Amps	2.08	2.17	2.29	2.42
	Lb/h	19.2	18.7	17.9	16.9
5	Watts (Capacity)	1150	1020	888	747
	Watts (Power)	336	369	412	461
	Amps	2.17	2.27	2.42	2.60
	Lb/h	23.7	23.2	22.3	21.1
7.2	Watts (Capacity)	1250	1120	971	816
	Watts (Power)	347	381	427	480

	Amps	2.20	2.31	2.48	2.68
	Lb/h	26.0	25.5	24.5	23.2
10	Watts (Capacity)	1400	1250	1080	912
	Watts (Power)	359	395	445	505
	Amps	2.24	2.36	2.55	2.79
	Lb/h	29.2	28.6	27.5	26.0
15	Watts (Capacity)	1690	1510	1310	1110
	Watts (Power)	380	419	476	547
	Amps	2.30	2.45	2.68	2.97
	Lb/h	35.7	35.0	33.7	31.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.137868E+03	3.052711E+02	2.261979E+00	1.771430E+01
C2	4.756873E+01	7.871600E+00	2.878083E-02	7.332500E-01
C3	-3.146689E+00	-2.736916E+00	-2.127823E-02	1.386514E-01
C4	9.380199E-01	-1.805798E-02	-3.986850E-04	1.873839E-02
C5	-2.081121E-01	-2.194950E-01	-8.262377E-04	5.60980E-03
C6	-1.464998E-01	1.222005E-01	6.179385E-04	-3.503563E-03
C7	6.412827E-03	-7.573807E-04	-9.895574E-06	1.911316E-04
C8	-9.402312E-03	1.771885E-04	1.060850E-05	-9.893751E-05
C9	-2.430921E-03	3.969348E-03	1.550442E-05	-8.335503E-05
C10	8.491090E-04	-7.626254E-04	-3.650881E-06	1.600108E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature